

FIG.1
(PRIOR ART)

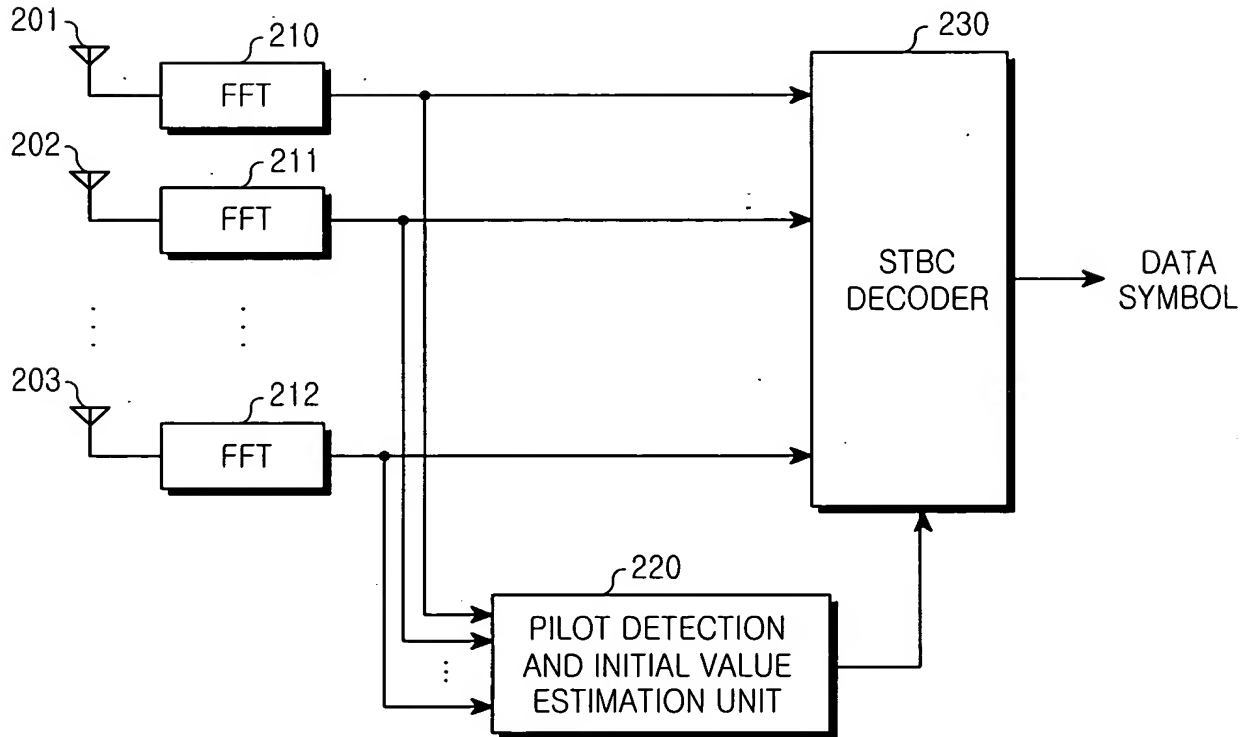


FIG.2
(PRIOR ART)

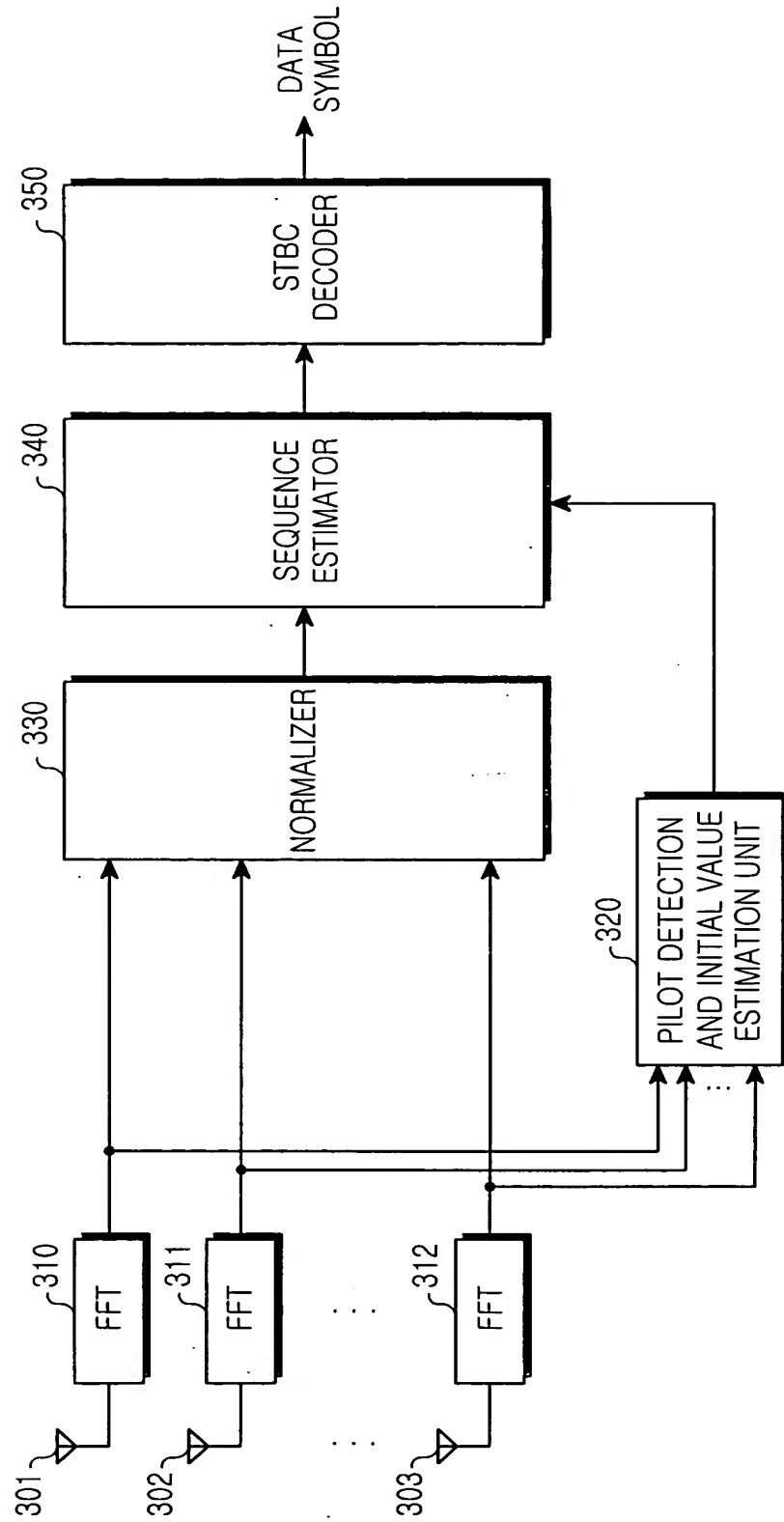


FIG. 3

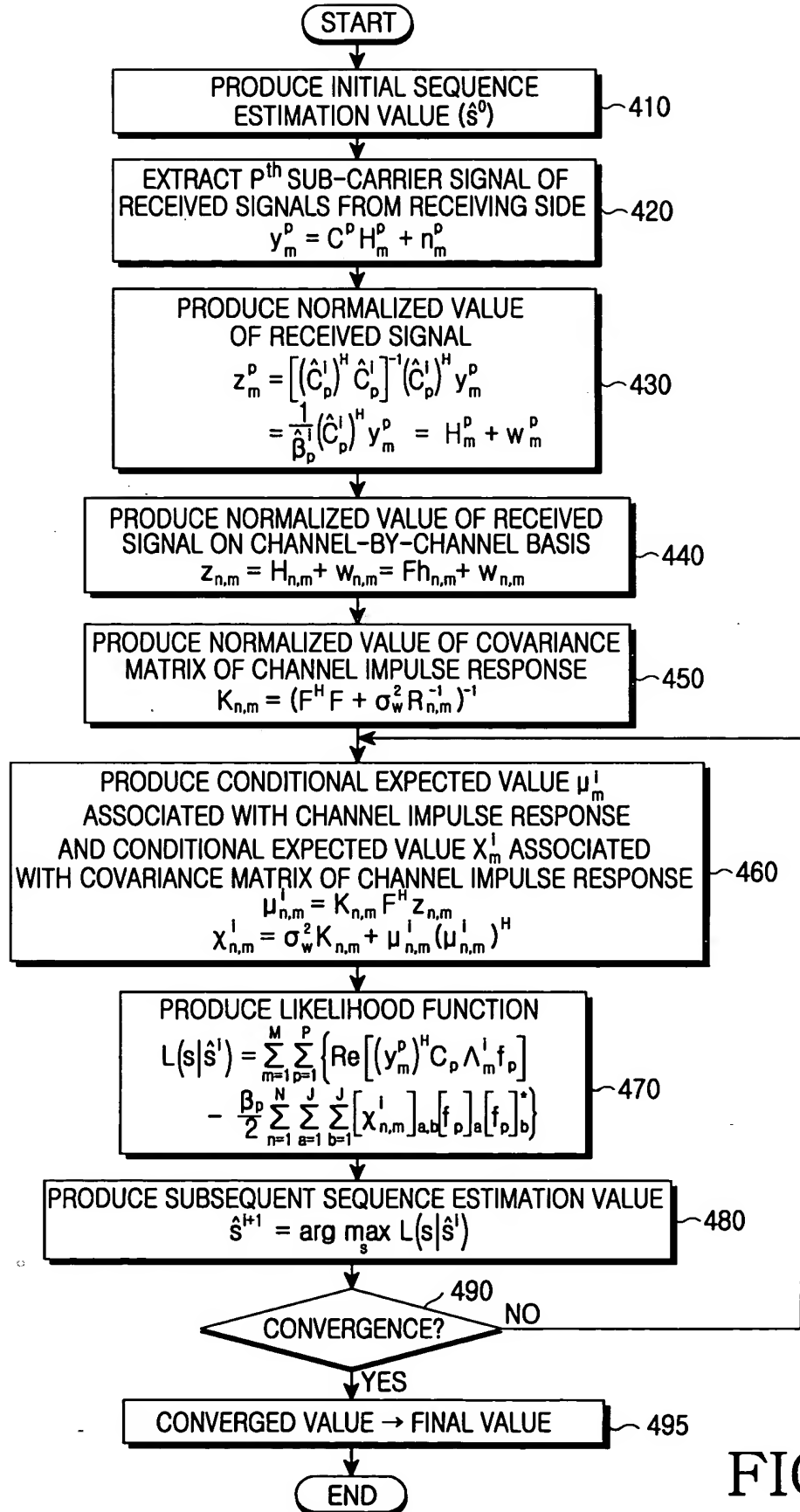
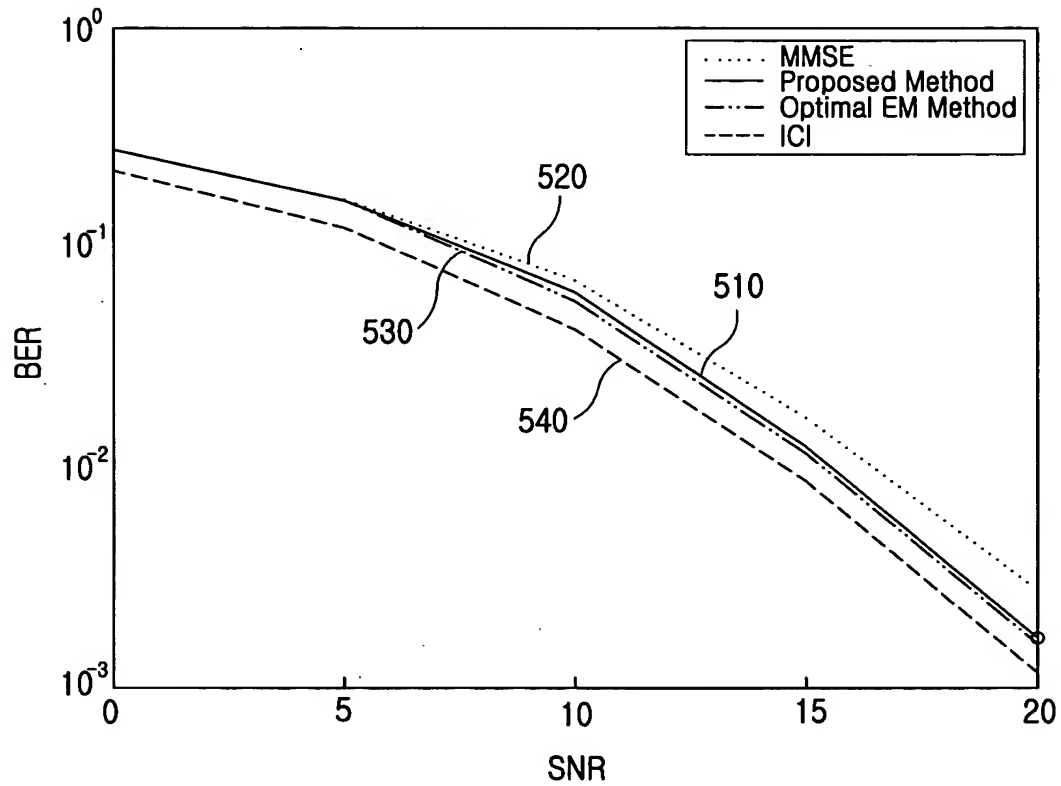
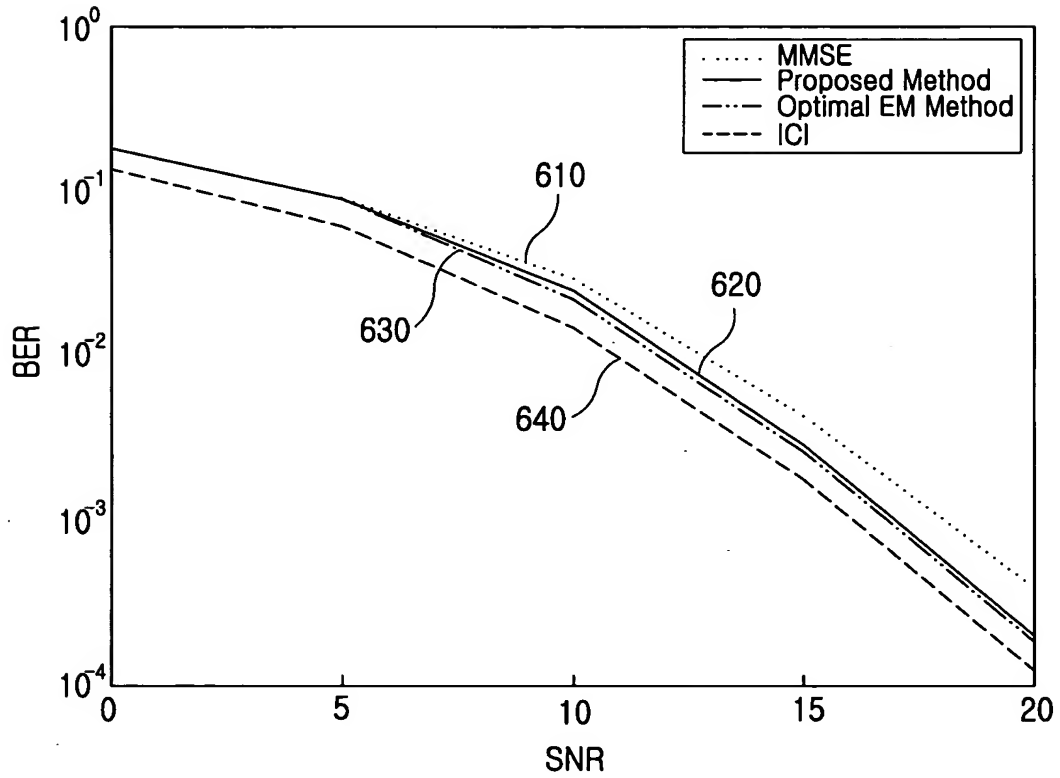


FIG.4



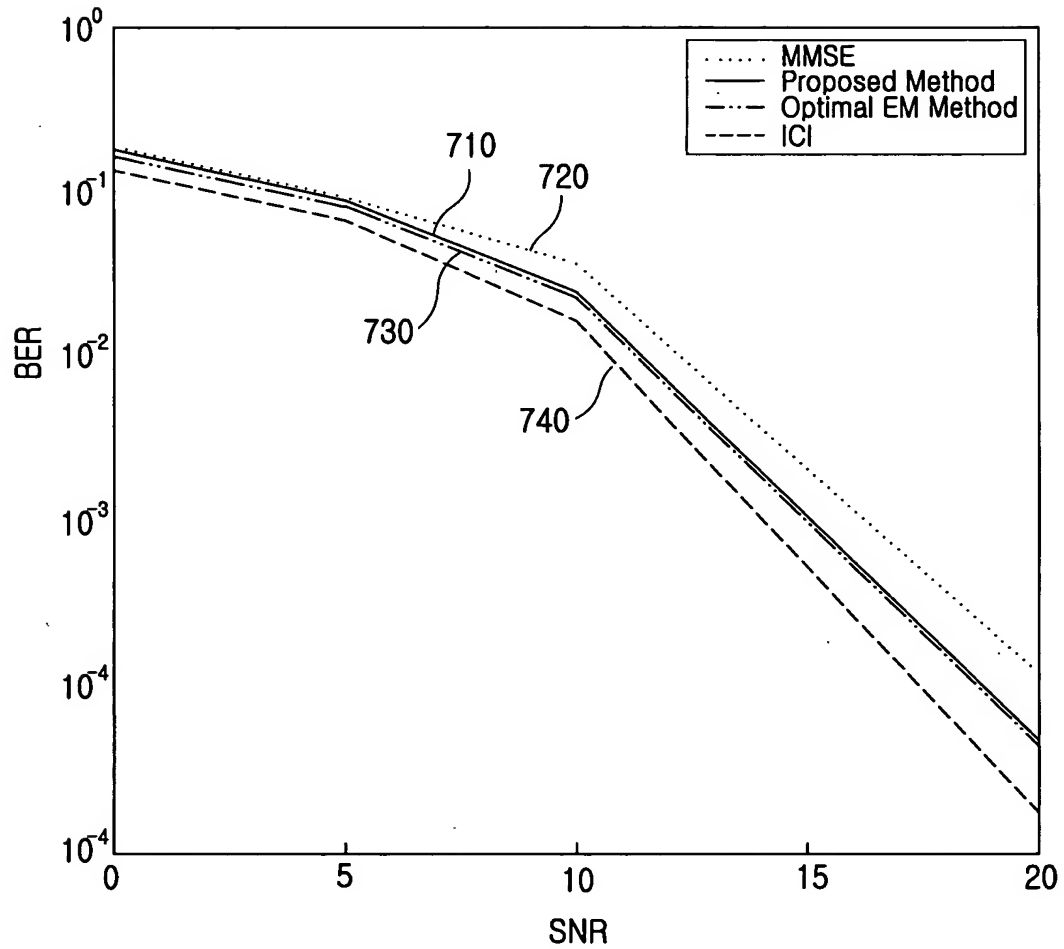
BER PERFORMANCE WHEN SPACE-TIME BLOCK CODE
BASED ON RATE 1 FOR TWO TRANSMITTING ANTENNAS
AND ONE RECEIVING ANTENNA IS USED
(16-QAM, $fdTs=0.005$)

FIG.5



BER PERFORMANCE WHEN SPACE-TIME BLOCK CODE
BASED ON RATE 3/4 FOR THREE TRANSMITTING ANTENNAS
AND ONE RECEIVING ANTENNA IS USED
(16-QAM, $fdTs=0.005$)

FIG.6



BER PERFORMANCE WHEN SPACE-TIME BLOCK CODE
BASED ON RATE 3/4 FOR FOUR TRANSMITTING ANTENNAS
AND ONE RECEIVING ANTENNA IS USED
(16-QAM, $f_d T_s = 0.005$)

FIG.7

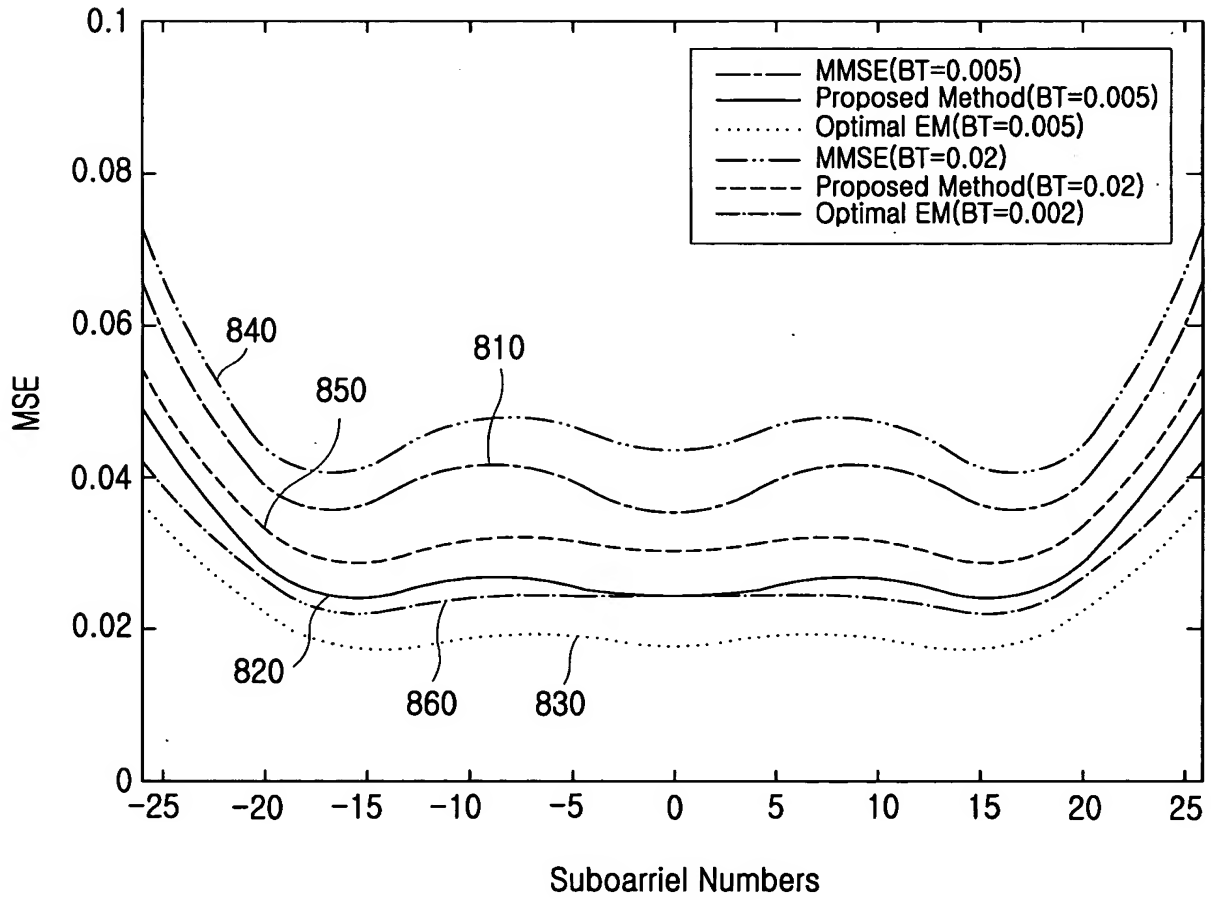


FIG.8

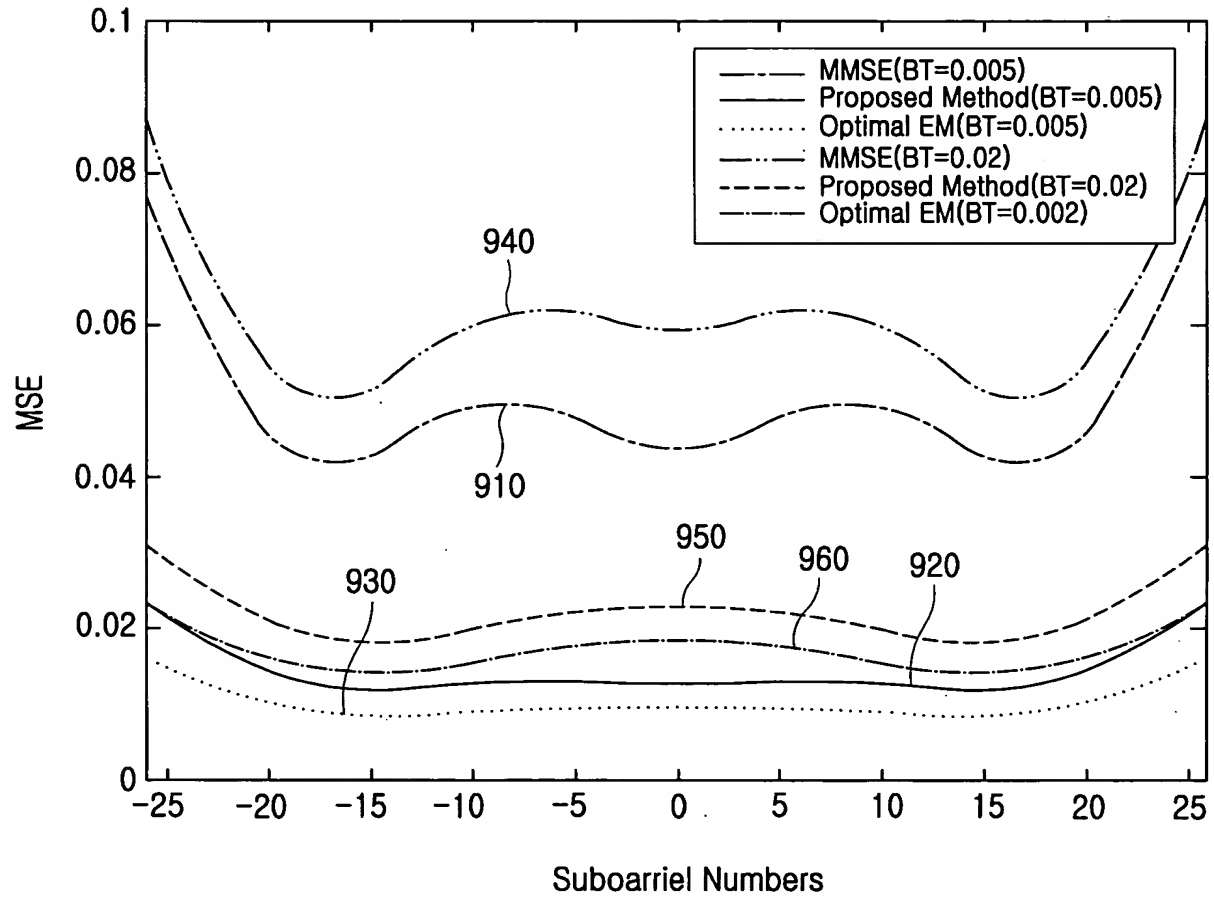


FIG.9

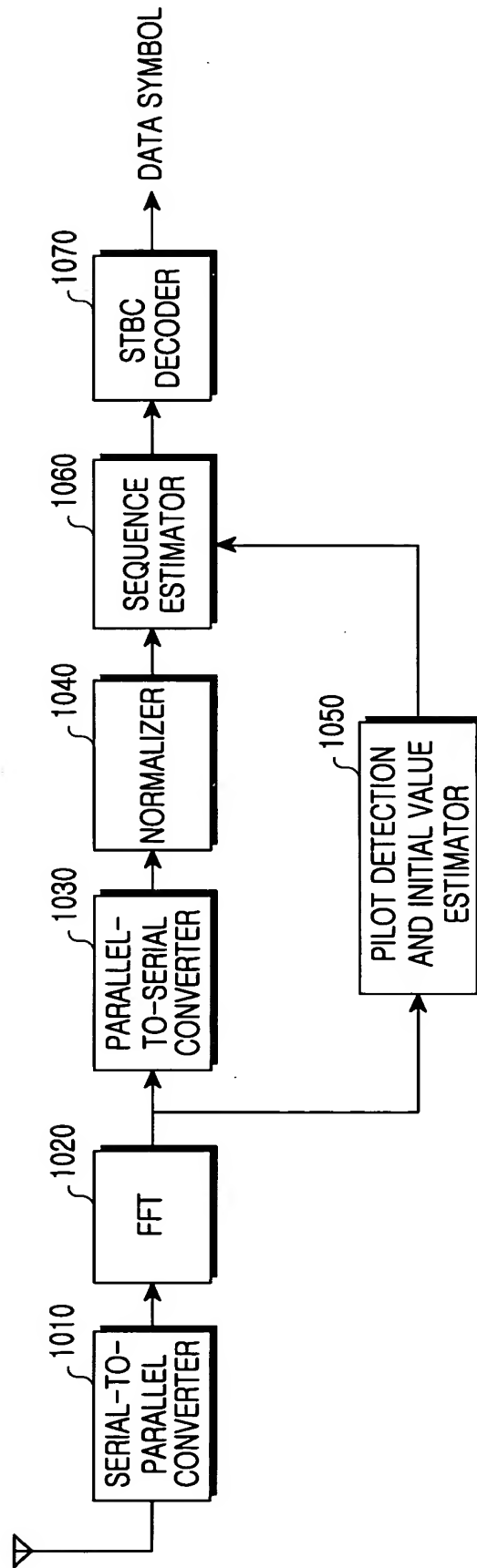


FIG.10

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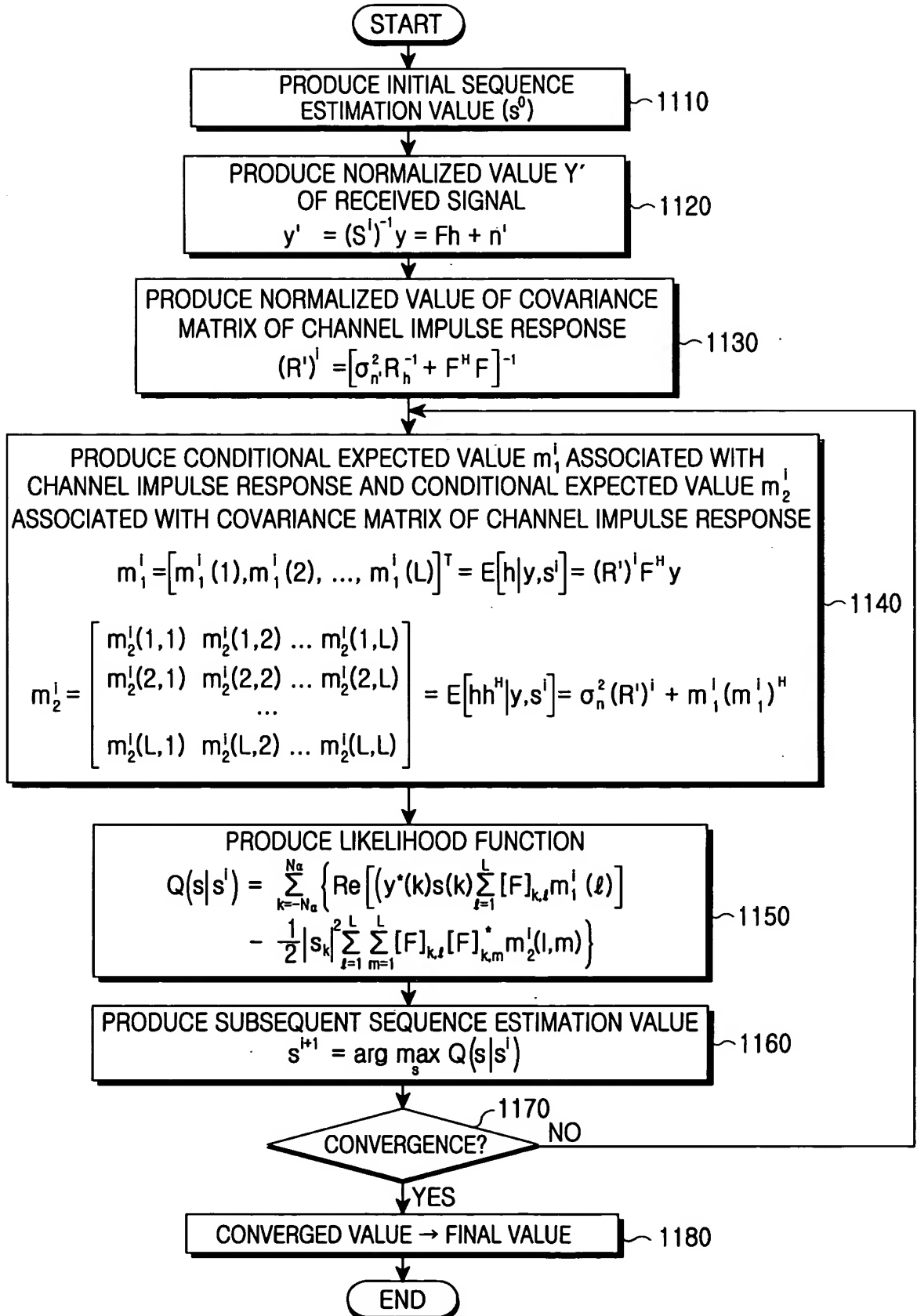


FIG.11

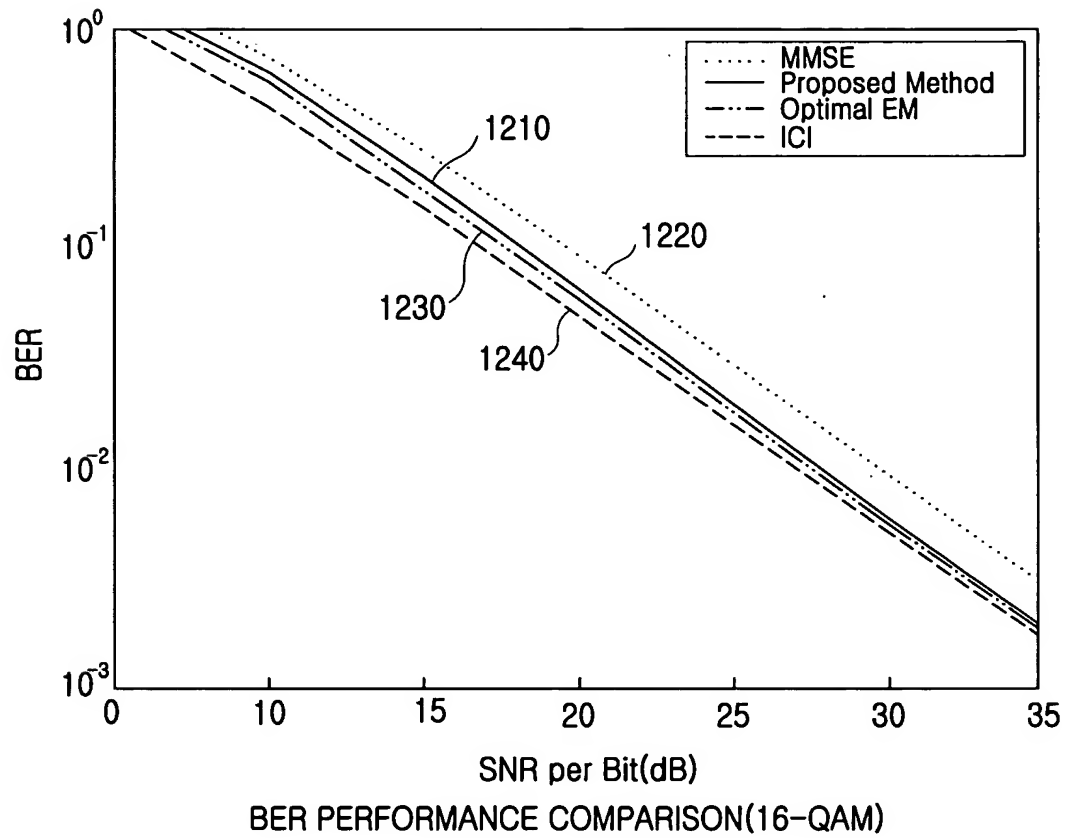


FIG.12

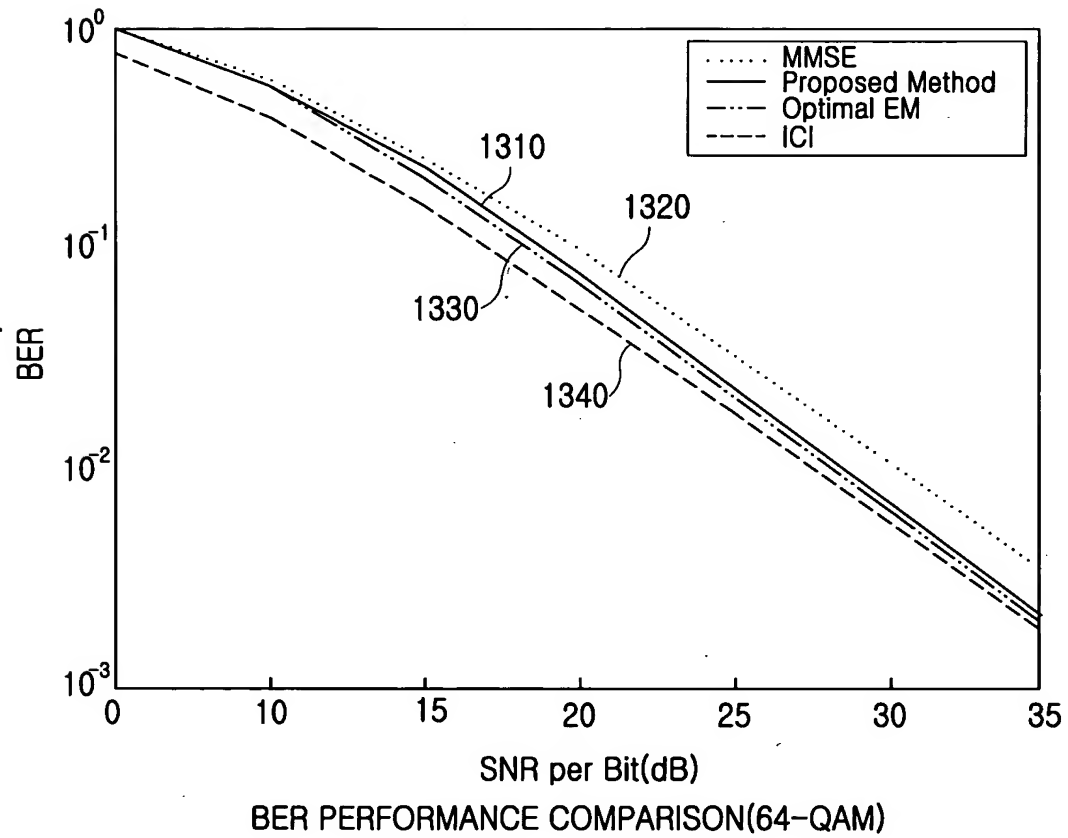


FIG.13

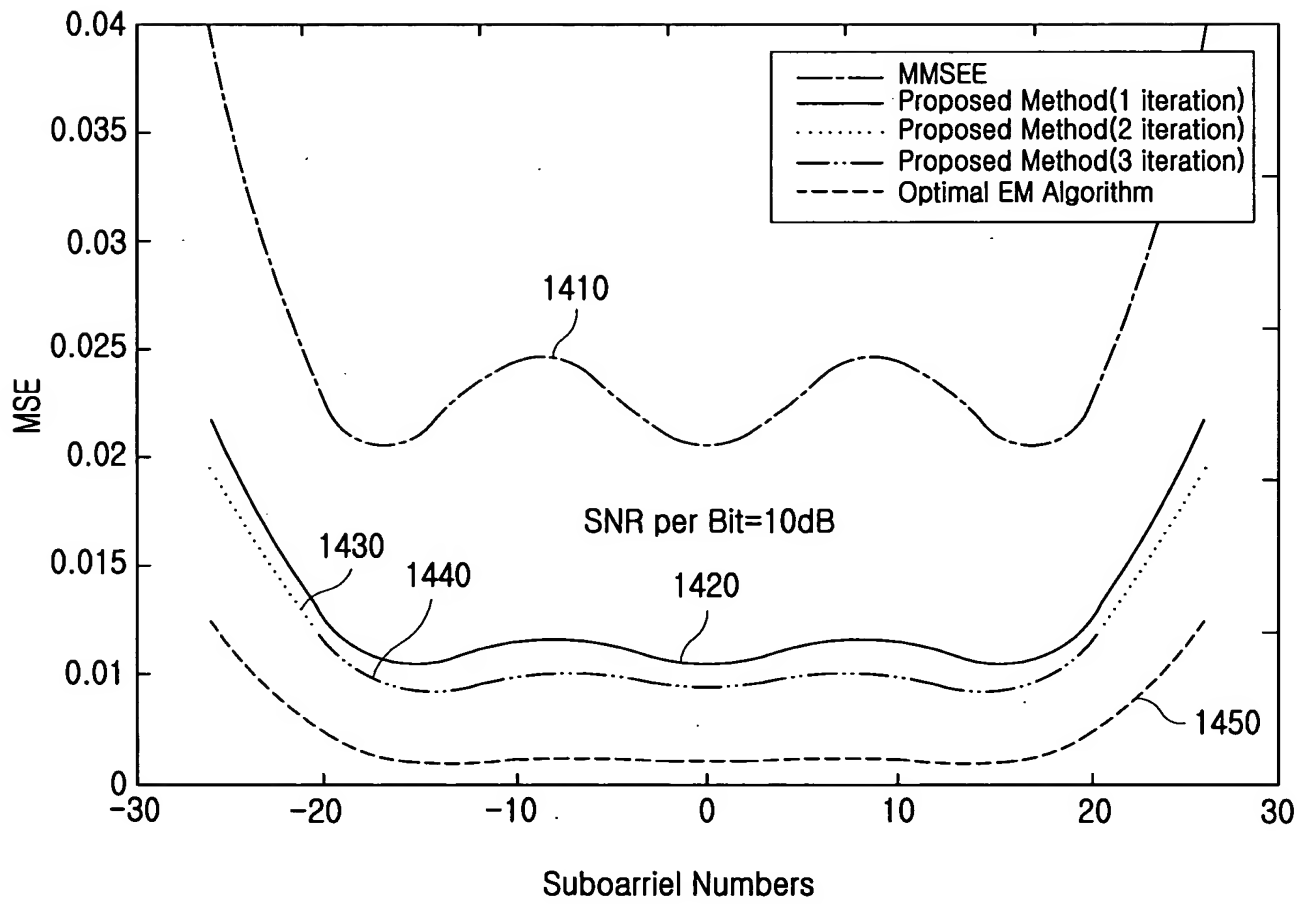


FIG.14

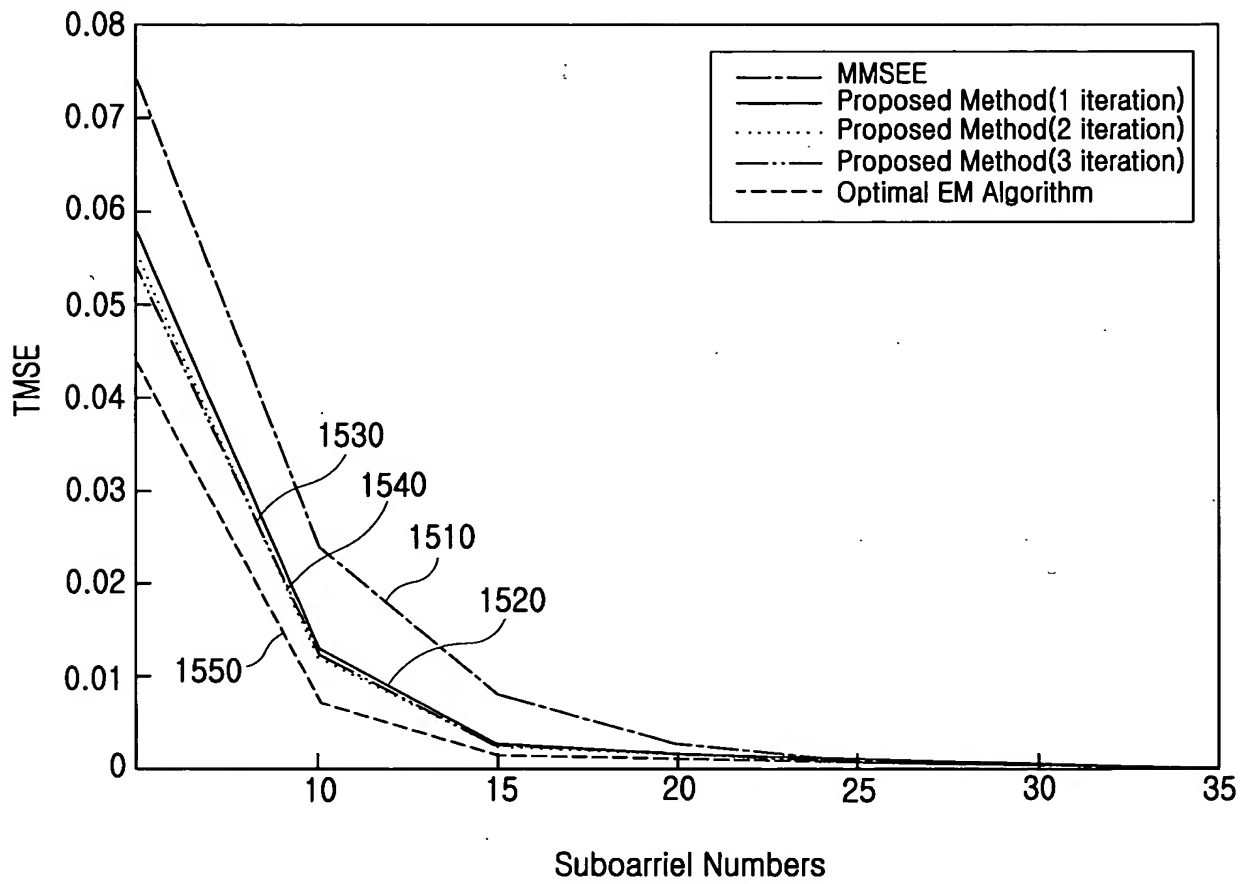


FIG.15